

1 Claims:

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3 1. A powered toilet seat positioner for raising and lowering a hinged toilet

4 seat of a toilet, comprising:

5 a reversible electric motor having at least one output shaft;

6 at least one elongated lift member attached at one end to said toilet seat;

7 said output shaft of said reversible electric motor drivingly connected to said lift

8 member to cause movement thereof in raising and lowering directions by energization of said

9 electric motor to rotate in either direction to in turn cause raising and lowering of said toilet seat;

10 and

11 a switch for selectively energizing said electric motor for rotation in either

12 direction.

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14 2. The toilet seat positioner according to claim 1 wherein said electric motor

15 is mounted behind a hinged side of said toilet seat and has an output shaft at either end, a pair of

16 lift arms comprising lift members, each lift arm curving around a respective side of said toilet

17 seat and having an outer end pivotally connected to said toilet seat, and an inner end coupled to a

18 respect output shaft of said electric motor.

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20 3. The toilet seat positioner according to claim 2 wherein said lift arms are of

21 two part construction, said two parts telescoped together.

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1 4. The toilet seat positioner according to claim 1 wherein said lift member
2 comprises an elongated rod connected to a nut threaded on a threaded shaft vertically mounted
3 alongside said toilet, said shaft rotated by said electric motor to cause said nut to move up or
4 down on said threaded shaft causing raising and lowering of said rod and said toilet seat.

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6 5. The toilet seat positioner according to claim 4 wherein said threaded shaft
7 and nut are enclosed in a sleeve casing resting on a floor surface adjacent said toilet.

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9 6. The toilet seat positioner according to claim 5 wherein said rod extends
10 generally vertically alongside said sleeve casing, a lower end of said rod connected to said nut
11 through a lengthwise slot in said casing.

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13 7. The toilet seat positioner according to claim 6 wherein said rod can pivot
14 with respect to said toilet seat and said nut.

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16 8. The toilet seat positioner according to claim 7 wherein an upper end of
17 said casing sleeve is supported by a bracket hooked at one end to a toilet bowl rim and fixed at an
18 other end to an upper end of said casing sleeve.

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20 9. The toilet seat positioner according to claim 8 wherein said bracket has an
21 elongate eye through which said lift rod passes.

1 10. The toilet seat positioner according to claim 1 wherein said lift member
2 comprises an inner sleeve telescoped into an outer sleeve pivotally supported alongside said
3 toilet and extending vertically upward, an upper end of said inner sleeve pivotally attached to one
4 side of said toilet seat, said reversible electric motor output shaft drivingly engaged with said
5 inner sleeve to cause telescoping movement in and out of said outer sleeve to cause raising and
6 lowering of said toilet seat.

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8 11. The toilet seat positioner according to claim 10 wherein said electric motor is
9 mounted to said outer sleeve and drives a pinion gear, said pinion gear meshed with a gear rack
10 extending along said inner sleeve to be driven thereby.

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12 12. The toilet seat positioner according to claim 10 wherein said outer sleeve
13 is pivoted at a lower end to a vertical stanchion disposed alongside said toilet.

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15 13. The toilet seat positioner according to claim 12 wherein said stanchion has
16 an upper end hooked over a toilet bowl rim of said toilet.

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18 14. The toilet seat positioner according to claim 11 wherein said outer sleeve
19 has an opening through which said pinion gear protrudes to engage said gear rack.